

State of Delaware and Mitigation



- Hazard Mitigation Defined
- THE HAZARD MITIGATION ASSISTANCE PROGRAMS
- MITIGATION PLANNING
- PROJECT COST EFFECTIVENESS

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FEMA defines hazard mitigation as any sustained action taken to reduce or eliminate long-term risk to people and property from natural hazards and their effects.



Hazard Mitigation Assistance (HMA) Programs



The FEMA HMA Programs present a critical opportunity to reduce the risk to individuals and property from natural hazards while simultaneously reducing reliance of federal disaster funds.



Hazard Mitigation Assistance (HMA) Programs



Consist of five Programs

- Hazard Mitigation Grant Program
- Pre-Disaster Mitigation Program
- Flood Mitigation Assistance
- Repetivie Flood Claims
- Severe Repetitive Loss



Hazard Mitigation Assistance (HMA) Program



Eligible Activities:

- Acquisition and Demolition of structures
- Elevation of Existing Structures
- Dry Floodproofing
- Minor Localized Flood Reduction Projects



FY 2011 Pre-Disaster Mitigation Program Overview

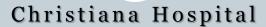


- Eligible Activities
 - Mitigation Planning
 - Mitigation Projects
 - Information dissemination activities
 - Applicant management cost
 - Sub-applicant management cost



Pre-Disaster Mitigation Program Project -Floodproofing











Hazard Mitigation Grant Program Project



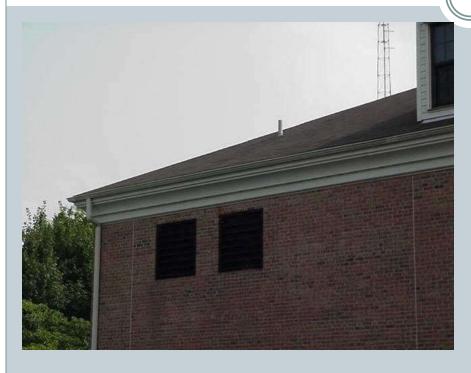






Hazard Mitigation Grant Program -Retrofit









Hazard Mitigation Grant Program -Elevation









Active Mitigation Projects



Current Initiatives

- Blades Town Hall Generator
- Wilmington EOC Floodproofing
- Newark Potable Water Pump Retrofit
- New Sewer Line Relocation
- Serpe's Bakery Floodproofing
- Union Church Home Acquisition
- University of Delaware Homeowner's Brochure



Hazard Mitigation Planning



- State Hazard Mitigation Plan
- Local Mitigation Plans
 - New Castle County
 - Sussex County
 - Kent County
 - City of Wilmington
 - University of Delaware



Hazard Mitigation Planning



- State plans required to be updated every 3 years. Next update due June 1, 2013.
- Local plans have a five year update requirement with the first plan (City of Wilmington) due for update the end of 2014.



Hazard Mitigation Planning



Basic Plan Contents

- Introduction
- Planning process
- Community Profile
- Vulnerability Assessment
- Capability Assessment
- Mitigation Strategy
- Plan Maintenance



Project Cost Effectiveness



- Mitigation projects must be cost effective. For every dollar spent on mitigation projects, you must show at least one dollar in benefits over the life of the project.
- Benefits can be in the form of damages prevented, savings in relocation costs, prevention of loss of wages, etc.
- Is determined by a Benefit-Cost Analysis



Project Cost Effectiveness



- Life of the project varies based on the type of project
 - Elevations 30 years
 - Floodproofing 50 years
 - Acquisitions 100 years
- Currently no provisions to incorporate even documented sea level rise into the Benefit Cost Analysis.



Hazard Mitigation



Questions